

WEST Search History

DATE: Tuesday, September 17, 2002

Set Name Query
side by side

Hit Count Set Name
result set

DB=USPT; PLUR=YES; OP=ADJ

| | | | |
|-----|--|--------|-----|
| L21 | l1 and L20 | 4 | L21 |
| L20 | updat\$.ab,ti. | 10476 | L20 |
| L19 | l17 and l5 | 9 | L19 |
| L18 | l17 and l9 | 0 | L18 |
| L17 | L16 not (l4 or l11 or l15) | 36 | L17 |
| L16 | l1 and l13 | 38 | L16 |
| L15 | l1 and L14 | 2 | L15 |
| L14 | l9 and L13 | 73 | L14 |
| L13 | single.ab,ti. | 124375 | L13 |
| L12 | l1 and master.ab,ti. | 8 | L12 |
| L11 | L10 not l4 | 11 | L11 |
| L10 | l1 and L9 | 12 | L10 |
| L9 | ((interfac\$ or i/o or input/output)adj(module or modules or processor or cpu)).ab,ti. | 1013 | L9 |
| L8 | L7 and master.ab,ti. | 8 | L8 |
| L7 | l1 and l5 | 99 | L7 |
| L6 | l1 and l2 and L5 not l4 | 84 | L6 |
| L5 | (interfac\$ or i/o or input/output or master).ab,ti. | 62671 | L5 |
| L4 | l3 and master.ab,ti. | 8 | L4 |
| L3 | l1 and L2 | 92 | L3 |
| L2 | (interface or i/o or input/output or master).ab,ti. | 58828 | L2 |
| L1 | (programmable logic control\$ or plc or plcs).ab,ti. | 469 | L1 |

END OF SEARCH HISTORY

VALID

Pat. No. 05990024 - 1
Issue Date: 08/02/04

Group ID: E
User ID: Rxcapu

Page 1
KS: 709

Warning [Pages Of Foreign References:]

page 1 has no references

page 2 has no references

Warning [Pages Of Other References:]

page 1 has no references

page 2 has no references

CHECK LIST

| | | | |
|----------------------------|------------------------|------------|-------------------|
| <u>Rule 47</u> | <u>Continuing Data</u> | <u>PCT</u> | <u>Disclaimer</u> |
| No ✓ | No ✓ | No ✓ | No ✓ |
| <u>Microfiche Appendix</u> | <u>CPA tag</u> | | |
| No ✓ | No ✓ | | |

Foreign Priority Claimed: No ✓
Acknowledged: No ✓

State Code: VA ✓ Country Code:

Text Endorsement: 09465147.121699

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JACKET

| | | | | |
|----------------------|--------------------|--------------|-----------------|------------|
| <u>SERIAL NUMBER</u> | <u>FILING DATE</u> | <u>CLASS</u> | <u>SUBCLASS</u> | <u>GAU</u> |
| 09/465,147 ✓ | 12/16/99 ✓ | 717 ✓ | 320 ✓ | 2186 ✓ |

FOREIGN PRIORITY
Country Document Number Date

DISCLAIMER

/ /

TITLE

~~Multiple program storage within a programmable logic controller system~~

MICROFICHE APPENDIX

ASSISTANT EXAMINER:

First: Middle: Last:

PRIMARY EXAMINER:

First: Middle: Last:

B. James Peikari

CLAIMS ALLOWED

Total Print

27 1 ✓

DRAWINGS

Sheets Figures Print

1 1 Y ✓

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BLUE SLIP INFORMATION

| <u>SERIAL</u> | <u>NUMBER</u> | <u>CLASS</u> | <u>SUBCLASS</u> | <u>GAU</u> |
|---------------|---------------|--------------|-----------------|------------|
| 09/465 | 147 | 717 | 320 | 2186 |

INDEP. CLAIMS

112

TOTAL CLAIMS

27

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BLUE SLIP (Page 1)

INTERNATIONAL CLASSIFICATION

Class SubClass

G06F 9/06

CROSS-REFERENCES

Class SubClass

| | |
|-----|---------|
| 717 | 319 ✓ |
| 710 | 10 ✓ |
| 709 | 22; 228 |

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TERM EXTENSION

0 ✓

FIELD OF SEARCH

Class SubClass

365 221

700 $\frac{2}{3}$
710 $\frac{1}{16}; \frac{1}{10}; \frac{1}{8}; \frac{1}{4}; \frac{1}{9}$
712 $\frac{1}{1}$
709 $\frac{2}{8}; \frac{2}{9}; \frac{2}{12}; \frac{2}{13}; \frac{2}{18}; \frac{2}{20}; \frac{2}{22}; \frac{2}{24}; \frac{2}{28}$
717 $\frac{3}{9}; \frac{3}{20}$

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OATH

INVENTOR NAME

| <u>First:</u> | <u>Middle:</u> | <u>Last:</u> | <u>Signed:</u> |
|------------------|------------------|-----------------|---------------------|
| James | E. | Grimes | Yes |
| <u>City:</u> | Ruckersville | | |
| <u>State:</u> VA | <u>ZIP Code:</u> | <u>Country:</u> | <u>Foreign ZIP:</u> |

INVENTOR NAME

| <u>First:</u> | <u>Middle:</u> | <u>Last:</u> | <u>Signed:</u> |
|------------------|------------------|-----------------|---------------------|
| William | Marion | Huntley, Jr. | Yes |
| <u>City:</u> | Earlsville | | |
| <u>State:</u> VA | <u>ZIP Code:</u> | <u>Country:</u> | <u>Foreign ZIP:</u> |

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PCT INFO

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CONTINUING DATA (Page 1)

| <u>LINE</u> | <u>CODE</u> | <u>SERIAL NUMBER</u> | <u>FILING DATE</u> | <u>STATUS</u> | <u>DOCUMENT NO.</u> | <u>ISSUE DATE</u> |
|-------------|-------------|----------------------|--------------------|---------------|---------------------|-------------------|
|-------------|-------------|----------------------|--------------------|---------------|---------------------|-------------------|

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REFERENCES (Page 1) SERIAL NUMBER: 09/465,147
FORM 892

U.S. REFERENCES

| <u>U.S. Pat No.</u> | <u>Date</u> | <u>Patentee</u> | <u>Class</u> | <u>SubClass</u> |
|---------------------|-------------|-----------------|--------------|-----------------|
|---------------------|-------------|-----------------|--------------|-----------------|

| | | | |
|-----------|-----------------------|-----|-----|
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| 5,659,705 | 08/1997 McNutt et al. | 365 | 221 |
| 5,473,757 | 12/1995 Sexton | 700 | 2 |
| 5,072,374 | 12/1991 Sexton et al. | 700 | 2 |
| 5,056,001 | 10/1991 Sexton | 710 | 10 |

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|------------------------|-------------|----------------|--------------|-----------------|
|------------------------|-------------|----------------|--------------|-----------------|

OTHER REFERENCE CITATIONS (incl. Author, Title, Date, Pertinent Pages, etc.)

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REFERENCES (Page 2) SERIAL NUMBER: 09/465,147
FORM 1449

U.S. REFERENCES

| <u>U.S. Pat No.</u> | <u>Date</u> | <u>Patentee</u> | <u>Class</u> | <u>SubClass</u> |
|--------------------------|-------------|-----------------|--------------|-----------------|
| *6,223,266 | 04/2001 | Sartore | | |
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| 5,960,450 | 09/1999 | Lang et al. | | |
| *6,202,120 | 03/2001 | Lang et al. | | |
| No issue date available. | | | | |
| 5,854,638 | 12/1998 | Tung | | |
| 5,815,426 | 09/1998 | Jigour et al. | | |
| 5,812,782 | 09/1998 | Jackson | | |

FOREIGN REFERENCES

| <u>Foreign Doc No.</u> | <u>Date</u> | <u>Country</u> | <u>Class</u> | <u>SubClass</u> |
|------------------------|-------------|----------------|--------------|-----------------|
|------------------------|-------------|----------------|--------------|-----------------|

OTHER REFERENCE CITATIONS (incl. Author, Title, Date, Pertinent Pages, etc.)

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